

Applicant: Nygaard et al.
Application No.: 10/743,538

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 13. (Canceled)

14. (New) A firing assembly for an air gun, comprising:
a valve for controlling the flow of air from a compressed air supply to a firing chamber;
a ram moveable from a first position to a second position in engagement with the valve, the ram biased by a first spring to the second position;
a pivotable sear moveable from a first position engaging a portion of the ram and holding the ram in its first position to a second position releasing the ram, the pivotable sear biased to the first position by a second spring;
a pivoting arm having a fixed end and a free end, the pivoting arm pivotable from a first position to a second position, the pivoting arm biased to the first position by the second spring, the pivoting arm including a roller located on its free end adjacent the sear;
a solenoid having a protrusion adjacent the pivoting arm moveable from a first position to a second position, whereby the protrusion pivots the pivoting arm about its fixed end against the spring bias to its second position when the protrusion is in its second position; and
a trigger for actuating the solenoid.

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15. (New) The firing assembly according to claim 14, wherein the pivoting arm pivots about an angle of between 5° and 15° between the first and second positions.
16. (New) The firing assembly of claim 14, further comprising further at least one battery, a circuit connecting the battery with the solenoid, and a switch for closing the circuit when being activated by the trigger.
17. (New) The firing assembly of claim 14, wherein the trigger travel is less than 1mm.
18. (New) The firing assembly of claim 14, wherein the force necessary for pulling the trigger is approximately 2-5g.